

Appl. No. 10/079,012
Amdt. dated August 16, 2004
Reply to Office Action of March 16, 2004

Docket No. A01185

AMENDMENTS TO CLAIMS:

1. (original) An aqueous coating composition comprising, based on the weight of said aqueous coating composition:
 - a) from 10 to 70 weight % of at least one polyurethane polymer, wherein said polyurethane polymer contains at least two carboxylic acid groups;
 - b) from 1 to 60 weight % of at least one crosslinking agent;
 - c) from 0.01 to 4 weight % of at least one wetting agent;
 - d) from 0.1 to 15 weight % of at least one slip aid; and
 - e) from 0.01 to 20 weight % UV stabilizing agent.
2. (original) The aqueous coating composition according to claim 1 wherein said polyurethane polymer has an acid number in the range of 5 to 50.
3. (original) The aqueous coating composition according to claim 1 further comprising from 0.5 to 20 weight % flattening agent.
4. (original) The aqueous coating composition according to claim 1 wherein said crosslinking agent contains oxazoline groups.
5. (currently amended) A method of preparing a coated substrate comprising the steps of:
 - a) preparing an aqueous coating composition comprising:
 - i) from 10 to 70 weight % of at least one polyurethane polymer, wherein said polyurethane polymer contains at least two carboxylic acid groups;
 - ii) from 1 to 60 weight % of at least one crosslinking agent;
 - iii) from 0.01 to 4 weight % of at least one wetting agent;
 - iv) from 0.1 to 15 weight % of at least one slip aid; and
 - v) from 0.01 to 20 weight % UV stabilizing agent;
 - b) applying said aqueous coating composition to a substrate;

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- c) drying or allowing to dry said aqueous coating composition to provide a precrosslinked coated substrate; and
- d) curing or allowing to cure said precrosslinked coated substrate to provide said coated substrate;

wherein said substrate is selected from the group consisting of chlorosulfonated polyethylene rubber, ethylene-propylene rubber, ethylene-propylene-diene rubber, halogenated nitrile rubber, thermoplastic elastomers, thermoplastic polyolefin elastomers, propylene oxide polymer elastomers, and epichlorohydrin polymer elastomers.

6. (cancelled)

7. (original) The method of claim 5 wherein said coated substrate has a coefficient of friction of 3 or less.

8. (currently amended) An article comprising a coated substrate comprising:

- a) a substrate; and
- b) a coating prepared from an aqueous coating composition comprising:
 - i) from 10 to 70 weight % of at least one polyurethane polymer, wherein said polyurethane polymer contains at least two carboxylic acid groups;
 - ii) from 1 to 60 weight % of at least one crosslinking agent;
 - iii) from 0.01 to 4 weight % of at least one wetting agent;
 - iv) from 0.1 to 15 weight % of at least one slip aid; and
 - v) from 0.01 to 20 weight % UV stabilizing agent;

wherein said substrate is selected from the group consisting of chlorosulfonated polyethylene rubber, ethylene-propylene rubber, ethylene-propylene-diene rubber, halogenated nitrile rubber, thermoplastic elastomers, thermoplastic polyolefin elastomers, propylene oxide polymer elastomers, and epichlorohydrin polymer elastomers.

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9. (cancelled).
10. (original) The article according to claim 8 wherein said coated substrate has a coefficient of friction of 3 or less.
11. (new) The composition of claim 1, wherein said polyurethane polymer is selected from the group consisting of aliphatic polyurethane polymers containing carboxylic acid groups and aromatic polyurethane polymers containing carboxylic acid groups.